

**TABLE 1704.3
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

VERIFICATION AND INSPECTION	CONT	PER	REFERENCED STANDARD ^a	IBC REFERENCE	AGENT/S NUMBER
1. Material verification of high-strength bolts, nuts and washers:					
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	—	X	Applicable ASTM material specifications; AISC 360, Section A3.3	—	
b. Manufacturer's certificate of compliance required.	—	X	—	—	
2. Inspection of high-strength bolting:					
a. Bearing-type connections.	—	X	AISC 360, Section M2.5	1704.3.3	
b. Slip-critical connections.	X	X			
3. Material verification of structural steel:					
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	—	—	ASTM A 6 or ASTM A 568	1708.4	
b. Manufacturers' certified mill test reports.	—	—	ASTM A 6 or ASTM A 568		
4. Material verification of weld filler materials:					
a. Identification markings to conform to AWS specification in the approved construction documents.	—	—	AISC 360, Section A3.5	—	
b. Manufacturer's certificate of compliance required.	—	—	—	—	
5. Inspection of welding:	—	—			
a. Structural steel:					
1) Complete and partial penetration groove welds.	X	—	AWS D1.1	1704.3.1	
2) Multipass fillet welds.	X	—			
3) Single-pass fillet welds $> \frac{5}{16}$ "	X	—			
4) Single-pass fillet welds $\leq \frac{5}{16}$ "	—	X			
5) Floor and roof deck welds.	—	X	AWS D1.3	—	
b. Reinforcing steel:	—	—	AWS D1.4	—	

VERIFICATION AND INSPECTION	CONT	PER	REFERENCED STANDARD ^a	IBC REFERENCE	AGENT/S NUMBER
			ACI 318: 3.5.2		
1) Verification of weldability of reinforcing steel other than ASTM A 706.	—	X			
2) Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls and shear reinforcement.	X	—			
3) Shear reinforcement.	X	—			
4) Other reinforcing steel.	—	X			
6. Inspection of steel frame joint details for compliance with approved construction documents: a. Details such as bracing and stiffening. b. Member locations. c. Application of joint details at each connection.	— — —	X — —	—	1704.3.2	

For SI: 1 inch = 25.4 mm.

a. Where applicable, see also Section 1707.1, Special inspection for seismic resistance.